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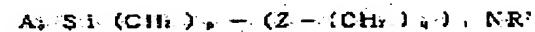
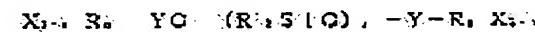
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(54) AQUEOUS SILICONE EMULSION WHICH FORMS SILICONE ELASTOMER HAVING IMPROVED ADHESION TO SUBSTRATE

(57) Abstract:

PROBLEM TO BE SOLVED: To obtain an aqueous silicone emulsion having improved storage stability and adhesion by mixing water with a surfactant, a crosslinking agent, a tin condensation catalyst, a specified diorganosiloxane polymer, a specified amino-functional siloxane and an acid.

SOLUTION: A diorganosiloxane polymer represented by formula I [wherein (n) is 0-3; (z) is 200-15; X is hydroxyl or a hydrolyzable group; R is a 1-5C (un) substituted monovalent hydrocarbon group; R1s are each X or R, provided that at least 90% of them are Rs; Y is Si, -Si-(CH₂)_mSiR₁₂-group, -Si-(CH₂)_mSiR₁₂-SiR₁₂-(CH₂)_mSiR₁₂-group and (m) is a positive integer] is mixed with water, a surfactant, a crosslinking agent, a tin condensation catalyst, an amino- functional siloxane prepared by reacting an amino-functional silane represented by formula II [wherein A is a hydrolyzable group; Z is O or NR₂; R2 is H or a 1-15C (un)substituted monovalent hydrocarbon group; (p) and (q) are each 2-10; and (r) is 0-3] with a hydroxyl-terminated organosiloxane represented by formula III (wherein R4 is R; and (b) is 4-80) and an acid.



II

III

LEGAL STATUS

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